

SEQUENCE LISTING

<110> Bristol-Myers Squibb Company

<120> A NOVEL HUMAN LEUCINE-RICH REPEAT CONTAINING PROTEIN EXPRESSED
PREDOMINATELY IN NERVOUS SYSTEM TISSUES, HLRNS1

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<150> US 60/259,479

<151> 2001-01-03

<150> US 60/260,616

<151> 2001-01-09

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<170> PatentIn version 3.0

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Ser	Leu	Cys	Ala	Gln	Ala	Gln	Glu	Gly	Ala	Gly	His	Ser	Pro	Ser	Phe
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Pro	Tyr	Ser	Pro	Ser	Glu	Pro	His	Leu	Gly	Ser	Pro	Ser	Gln	Pro	Thr
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Gly 145	Arg	Arg	Trp	Arg	Glu 150	Ile	Ser	Ala	Ser	Leu 155	Leu	Tyr	Gln	Ala	Leu 160
Pro	Ser	Ser	Pro	Asp 165	His	Glu	Ser	Pro	Ser 170	Gln	Glu	Ser	Pro	Asn 175	Ala
Pro	Thr	Ser	Thr 180	Ala	Val	Leu	Gly	Ser 185	Trp	Gly	Ser	Pro	Pro 190	Gln	Pro
Ser	Leu	Ala 195	Pro	Arg	Glu	Gln	Glu 200	Ala	Pro	Gly	Thr	Gln 205	Trp	Pro	Leu
Asp	Glu 210	Thr	Ser	Gly	Ile	Tyr 215	Tyr	Thr	Glu	Ile	Arg 220	Glu	Arg	Glu	Arg
Glu 225	Lys	Ser	Glu	Lys	Gly 230	Arg	Pro	Pro	Trp	Ala 235	Ala	Val	Val	Gly	Thr 240
Pro	Pro	Gln	Ala	His 245	Thr	Ser	Leu	Gln	Pro 250	His	His	His	Pro	Trp 255	Glu
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Asp	Phe	Asn 275	Gln	Lys	Phe	Thr	Gln 280	Leu	Leu	Leu	Leu	Gln 285	Arg	Pro	His
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Glu 305	Glu	Asn	Arg	Gly	His 310	Leu	Ile	Glu	Ile	Arg 315	Asp	Leu	Phe	Gly	Pro 320
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Cys	Arg 370	Glu	Leu	Ala	Gln	Ser 375	Lys	Val	Val	Ser	Leu 380	Ala	Glu	Leu	Ile
Gly 385	Lys	Asp	Gly	Thr	Ala 390	Thr	Pro	Ala	Pro	Ile 395	Arg	Gln	Ile	Leu	Ser 400
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Trp	Val	Leu	Gln 420	Glu	Pro	Ser	Ser	Glu 425	Leu	Cys	Leu	His	Trp 430	Ser	Gln
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Phe	Ser	Glu	Ser	Ser 485	Arg	Lys	Glu	Tyr	Phe 490	Tyr	Arg	Tyr	Phe	Thr 495	Asp
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Ile	Leu 610	Gln	Glu	His	Pro	Ile 615	Pro	Leu	Ser	Tyr	Ser 620	Phe	Ile	His	Leu
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Ile	Phe 690	His	Cys	Arg	Leu	Ser 695	Gln	Gly	Arg	Asn	Leu 700	Met	Gln	Trp	Val
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Cys	Leu	Tyr	Glu	Thr 725	Arg	Asn	Lys	Thr	Phe 730	Leu	Thr	Gln	Val	Met 735	Ala
His	Phe	Glu	Glu 740	Met	Gly	Met	Cys	Val 745	Glu	Thr	Asp	Met	Glu 750	Leu	Leu
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Gly	Asp	Leu	Met	Pro	Ala	Thr	Thr	Leu	Ile	Pro	Pro	Ala	Arg	Ile	
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Tyr	Glu	Arg	Val	Leu	Ala	Glu	Asn	Thr	Arg	Pro	Ser	Gln	Met	Arg	
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Lys	Leu	Phe	Ser	Leu	Ser	Gln	Ser	Trp	Asp	Arg	Lys	Cys	Lys	Asp	
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<400> 12

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Glu Thr Val Pro Ser Asn Thr Thr Cys Cys Ala Arg Cys His
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Asn Trp Leu Thr Pro Asn Gly Thr Leu Met Thr His Gly Ser
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His Asp Gly Thr Leu Asn Phe Thr Asn Val Thr Val Gln Asp
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Asp Asp Val Met Lys Thr Thr Lys Ile Ile Ile Gly Cys
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aag Lys	cac His	ctg Leu	cgg Arg 110	cac His	ctg Leu	gag Glu	att Ile	ctg Leu 115	cag Gln	ctg Leu	agc Ser	aag Lys	aac Asn 120	ctg Leu	gtg Val	927
cgc Arg	aag Lys	atc Ile 125	gag Glu	gtg Val	ggc Gly	gcc Ala	ttc Phe 130	aac Asn	ggg Gly	ctg Leu	ccc Pro	agc Ser 135	ctc Leu	aac Asn	acg Thr	975
ctg Leu	gag Glu 140	ctt Leu	ttt Phe	gac Asp	aac Asn	cgg Arg 145	ctg Leu	acc Thr	acg Thr	gtg Val 150	ccc Pro	acg Thr	cag Gln	gcc Ala	ttc Phe	1023
gag Glu 155	tac Tyr	ctg Leu	tcc Ser	aag Lys 160	ctg Leu	cgg Arg	gag Glu	ctc Leu	tgg Trp 165	ctg Leu	cgg Arg	aac Asn	aac Asn	ccc Pro	atc Ile 170	1071
gag Glu	agc Ser	atc Ile	ccc Pro	tcc Ser 175	tac Tyr	gcc Ala	ttc Phe	aac Asn	cgc Arg 180	gtg Val	ccc Pro	tgc Ser	ctg Leu	cgg Arg 185	cgc Arg	1119
ctg Leu	gac Asp	ctg Leu	ggc Gly 190	gag Glu	ctc Leu	aag Lys	cgg Arg	ctg Leu 195	gaa Glu	tac Tyr	atc Ile	tgc Ser	gag Glu 200	gcg Ala	gcc Ala	1167
ttc Phe	gag Glu	ggg Gly 205	ctg Leu	gtc Val	aac Asn	ctg Leu	cgc Arg 210	tac Tyr	ctc Leu	aac Asn	ctg Leu 215	ggc Gly 215	atg Met	tgc Cys	aac Asn	1215
ctc Leu	aag Lys 220	gac Asp	atc Ile	ccc Pro	aac Asn	ctg Leu 225	acg Thr	gcc Ala	ctg Leu	gtg Val	cgc Arg 230	ctg Leu	gag Glu	gag Glu	ctg Leu	1263
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acc Thr	atc Ile	gag Glu	cgc Arg 270	aac Asn	gcc Ala	ttc Phe	gac Asp	gac Asp 275	ctc Leu	aag Lys	tgc Ser	ctg Leu	gag Glu 280	gag Glu	ctc Leu	1407
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ccc Pro	ctg Leu 300	cac His	cgc Arg	ctc Leu	gag Glu	cgc Arg 305	gtg Val	cac His	ctc Leu	aac Asn	cac His 310	aac Asn	ccc Pro	tgg Trp	cat His	1503
tgc Cys	aac Asn	tgc Cys	gac Asp	gtg Val	ctc Leu	tgg Trp	ctg Leu	agc Ser	tgg Trp	tgg Trp	ctc Leu	aag Lys	gag Glu	acg Thr	gtg Val	1551

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gcg Ala	ccc Pro	gtc Val 365	atc Ile	gtg Val	gag Glu	ccg Pro	ccc Pro 370	acg Thr	gac Asp	ctc Leu	aac Asn	gtc Val 375	acc Thr	gag Glu	ggc Gly	1695
atg Met	gct Ala 380	gcc Ala	gag Glu	ctc Leu	aaa Lys	tgc Cys 385	cgc Arg	acg Thr	ggc Gly	acc Thr 390	tcc Ser	atg Met	acc Thr	tcc Ser	gtc Val	1743
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gtg Val	gcg Ala 460	gcc Ala	ggg Gly	ggc Gly	acc Thr	ggc Gly 465	agc Ser	ggc Gly	ggg Gly	ggc Gly 470	ggc Gly	cct Pro	ggg Gly	ggc Gly	agt Ser	1983
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Thr Leu Asn Phe Thr Asn Val Thr Val Gln Asp Thr Gly Gln
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<213> Homo sapiens

<400> 43

Thr Asn Ser Ala Gly Asn Thr Thr Ala Ser Ala Thr Leu Asn

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Asp	Leu	Gly	Glu 180	Leu	Lys	Lys	Leu	Glu 185	Tyr	Ile	Ser	Glu	Gly 190	Ala	Phe
Glu	Gly	Leu 195	Phe	Asn	Leu	Lys	Tyr 200	Leu	Asn	Leu	Gly	Met 205	Cys	Asn	Ile
Lys	Asp 210	Met	Pro	Asn	Leu	Thr 215	Pro	Leu	Val	Gly	Leu 220	Glu	Glu	Leu	Glu
Met 225	Ser	Gly	Asn	His 230	Phe	Pro	Glu	Ile	Arg	Pro 235	Gly	Ser	Phe	His	Gly 240
Leu	Ser	Ser	Leu	Lys 245	Lys	Leu	Trp	Val	Met 250	Asn	Ser	His	Glu	Arg 255	Asn
Ala	Phe	Asp	Gly 260	Leu	Ala	Ser	Leu 265	Val	Glu	Leu	Asn	Leu 270	Ala	His	Asn
Asn	Leu	Ser 275	Ser	Leu	Pro	His	Asp 280	Leu	Phe	Thr	Pro	Leu 285	Arg	Tyr	Leu
Val	Glu 290	Leu	His	Leu	His	His 295	Asn	Pro	Trp	Asn	Cys 300	Asp	Cys	Asp	Ile
Leu 305	Trp	Leu	Ala	Trp	Trp 310	Leu	Arg	Glu	Tyr	Ile 315	Pro	Thr	Asn	Ser	Thr 320
Cys	Cys	Gly	Arg	Cys 325	His	Ala	Pro	Met	His 330	Met	Arg	Gly	Arg	Tyr 335	Leu
Val	Glu	Val	Asp 340	Gln	Ala	Ser	Phe	Gln 345	Cys	Ser	Ala	Pro	Phe 350	Ile	Met
Asp	Ala	Pro 355	Arg	Asp	Leu	Asn	Ile 360	Ser	Glu	Gly	Arg	Met 365	Ala	Glu	Leu
Lys	Cys 370	Arg	Thr	Pro	Pro	Met 375	Ser	Ser	Val	Lys	Trp 380	Leu	Leu	Pro	Asn
Gly 385	Thr	Val	Leu	Ser	His 390	Ala	Ser	Arg	His	Pro 395	Arg	Ile	Ser	Val	Leu 400
Asn	Asp	Gly	Thr 405	Leu	Asn	Phe	Ser	His	Val 410	Leu	Leu	Ser	Asp	Thr 415	Gly
Val	Tyr	Thr	Cys 420	Met	Val	Thr	Asn	Val 425	Ala	Gly	Asn	Ser	Asn 430	Ala	Ser
Ala	Tyr	Leu 435	Asn	Val	Ser	Thr	Ala 440	Glu	Leu	Asn	Thr	Ser 445	Asn	Tyr	Ser
Phe	Phe 450	Thr	Thr	Val	Thr	Val 455	Glu	Thr	Thr	Glu	Ile 460	Ser	Pro	Glu	Asp
Thr 465	Thr	Arg	Lys	Tyr	Lys 470	Pro	Val	Pro	Thr	Thr 475	Ser	Thr	Gly	Tyr	Gln 480
Pro	Ala	Tyr	Thr 485	Thr	Ser	Thr	Thr	Val	Leu 490	Ile	Gln	Thr	Thr	Arg 495	Val

